Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/24/2020 09:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	07/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124943	-1	2.41	125078	2.41
Blue	F	SSC	125000	123632	-2	2.39	124414	2.38
Blue	E	FITC	15892	15408	-4	3.05	336	21.18
Blue	D	PE	29999	29239	-3	2.17	638	15.45
Blue	B	PerCP-Cy5-5	43732	43518	-1	3.90	1168	21.18
Blue	A	PE-Cy7	30845	30827	-1	6.25	591	42.56
Red	C	APC	46112	44681	-4	2.55	1580	11.99
Red	A	APC-Cy7	30458	29316	-4	2.47	773	12.24
Violet	B	V450	7918	7711	-3	4.04	436	13.54
Violet	A	V500	32171	30872	-5	3.77	722	10.34

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17207	10.04	636	15	N/A	N/A	Pass
Blue	F	SSC	56472	1.73	575	16	N/A	N/A	Pass
Blue	E	FITC	60	65.51	551	8	0.0172	85	Pass
Blue	D	PE	134	49.94	557	9	0.1360	214	Pass
Blue	B	PerCP-Cy5-5	215	51.70	665	9	0.0083	52	Pass
Blue	A	PE-Cy7	106	108.99	708	10	0.0100	21	Pass
Red	C	APC	377	25.56	589	5	0.0258	224	Pass
Red	A	APC-Cy7	170	28.83	561	5	0.0052	677	Pass
Violet	B	V450	67	60.23	460	2	0.0433	1782	Pass
Violet	A	V500	109	32.79	475	1	0.0228	666	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.93	-32.28	1.05
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	16.26	13.60 - 20.40	N/A	N/A	29.38	30.15	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9568

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments